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OM nucleic - nucleic search, using sw model

Run on: September 30, 2004, 10:44:57 ; Search time 206 Seconds

(without alignments)  
8367.366 Million cell updates/sec

Title: US-09-900-751-1

Perfect score: 3106  
Sequence: 1 catgctgaagcgcgtccgcg.....ttaaaaaaaaaaaaaaaaaa 3106

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgm2\_6/prodata/2/ina/5A.COMB.seq.\*  
2: /cgm2\_6/prodata/2/ina/5B.COMB.seq.\*  
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6: /cgm2\_6/prodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1883.2	60.6	3147	2	US-09-027-337-1
2	1883.2	60.6	3147	4	US-09-644-600-1
3	1883.2	60.6	3147	4	US-09-644-600-18
4	1883.2	60.6	3147	4	US-09-654-600A-18
5	1883.2	60.6	3147	4	US-09-654-600A-18
6	1530.8	49.3	2900	4	US-09-027-337-9
7	1530.8	49.3	2900	4	US-09-644-600-9
8	1530.8	49.3	2900	4	US-09-654-600A-9
9	943.8	30.4	2152	4	US-09-023-655-157
10	701.2	22.6	1553	4	US-09-280-116-10
11	306.8	9.9	434	4	US-09-702-705-1480
12	306.8	9.9	434	4	US-09-736-457-1480
13	306.8	9.9	434	4	US-09-614-124B-1480
14	306.8	9.9	434	4	US-09-671-325-1480
15	173.2	5.6	796	4	US-09-280-116-107
16	113.6	3.7	2413	3	US-09-518-046-1
17	109.8	3.5	2544	3	US-09-518-046-3
18	101.6	3.3	1479	3	US-09-342-749-1
19	101.6	3.3	1479	3	US-09-691-840-1
20	101.2	3.3	1128	2	US-09-016-366A-20
21	101.2	3.3	1128	2	US-08-978-404B-15
22	100.6	3.2	1077	3	US-08-807-151-2
23	100.6	3.2	1077	3	US-09-478-957-2
24	99.6	3.2	1081	2	US-09-016-366A-22
25	99.6	3.2	1081	2	US-08-978-404B-17
26	98.4	3.2	2479	3	US-09-342-749-29
27	98.4	3.2	2479	4	US-09-691-840-29

28	98.4	3.2	2479	4	US-09-685-166A-894	Sequence 894, App
29	98.2	3.2	735	3	US-09-079-970A-1	Sequence 1, Appl
30	98.2	3.2	771	3	US-09-079-970A-4	Sequence 4, Appl
31	98	3.2	1137	2	US-09-016-366A-18	Sequence 18, Appl
32	98	3.2	1137	2	US-08-978-404B-13	Sequence 13, Appl
33	94.2	3.0	2416	3	US-09-261-416-1	Sequence 1, Appl
34	92.2	3.0	1605	2	US-09-000-846-1	Sequence 1, Appl
35	91	2.9	980	4	US-09-023-942A-30	Sequence 30, Appl
36	91	2.9	1110	4	US-09-386-653A-1	Sequence 1, Appl
37	90.8	2.9	901	1	US-08-508-448C-9	Sequence 9, Appl
38	90.8	2.9	1460	4	US-09-370-838-80	Sequence 80, Appl
39	90.8	2.9	1462	4	US-09-370-838-55	Sequence 55, Appl
40	90.8	2.9	1517	4	US-08-508-448C-15	Sequence 15, Appl
41	90.8	2.9	2790	4	US-09-370-838-79	Sequence 79, Appl
42	90.4	2.9	1783	3	US-09-510-738A-188	Sequence 188, App
43	90.4	2.9	1783	4	US-09-861-966-188	Sequence 188, App
44	90.4	2.9	2363	4	US-09-742-703-3	Sequence 3, Appl
45	89.4	2.9	1154	2	US-09-016-366A-16	Sequence 16, Appl

## ALIGNMENTS

RESULT 1  
US-09-027-337-1  
Sequence 1, Application US/09027337B  
Patent No. 5972616  
GENERAL INFORMATION:  
APPLICANT: O'Brien, Timothy J.  
TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease Overexpressed in  
FILE REFERENCE: D6064  
CURRENT APPLICATION NUMBER: US/09/027,337B  
CURRENT FILING DATE: 1998-02-20  
NUMBER OF SEQ ID NOS: 13  
SEQ ID NO 1  
LENGTH: 3147  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
LOCATION: 23..2589  
OTHER INFORMATION: cDNA sequence of TADG-15  
US-09-027-337-1

Query Match 60.6%; Score 1883.2; DB 2; Length 3147;  
Best Local Similarity 81.2%; Pred. No. 0;  
Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;  
QY 45 GATCGGACCGCCAAACATGAGTGGGATCGGGGCGGAGGCGGAGGGGCTTCAG 104  
DB 5 GAGCGGCTTCGGGGTACCATGGGAGCGATCGGCGCCGAGGCGGAGGCGGAGG 64  
QY 105 GACTTCGGCGCGGAGTCAAGTCAATCCCGCTAGAGAAATGATGGCTTGAAGAG 164  
DB 65 GACTTCGGCGCGGAGTCAAGTCAATCCCGCTAGAGAAATGATGGCTTGAAGAG 124  
QY 165 GGTGTGGAATTCCTGCTGCGCAATGCCAAGAAAGTGAAGAGGAGGCGCCAGCGC 224  
DB 125 GCGGTGGAATTCCTGCTGCGCAATGCCAAGAAAGTGAAGAGGAGGCGCCAGCGC 184  
QY 225 TGGGTGATGCTGATGCGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 264  
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QY 285 CTGGTGTGCACTTCATATTGGAATGTGCGGGTTCAAAAGTCTTCATAGGCCATCTG 344  
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DB 305 AGGATCACAAAATGAATGATCTTGTGATGCGATGATGGAATGCACTTCACAGAGTTTATC 364

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465 GGTCCCAACCAAGAAAGTGGCTGTAACTGCTTCACTGAGGAGGAGTGCATGCTGCTAC 524  
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585 GTGAGAGAGTGAATGAATGGCAACCCGAGCAAGGCACTGAATCTCTGCTCTAACA 644  
545 GAGAGAGCGGTAGTCAATGCTGCCCCCGGAGGCGCTGCTGAAAGTCTTGTGTGCTAC 604  
645 TCTGTGTGGCTTCCCATTTGACCCCAAGATGCTGAGAGACTCAGAGCAACAGCTGC 704  
605 TCAAGTGTGGCTTCCCATTTGACCCCAAGATGCTGAGAGACTCAGAGCAACAGCTGC 664  
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665 AGCTTGTGGCTGCAAGCGCGGCTGTGAGAGTGAATGGCTTCACTACCGCTGCTCC 724  
765 AAGAGTCCCTAACCGGCGCATGCCGCTGCGCAGTGGGCTCTGCGGAGGAGAGCGCGACTCT 824  
725 GACAGCGCTTACCGGCTCATGCGCTGCGCAGTGGGCTCTGCGGAGGAGAGCGCGACTCT 784  
825 GTGCTGAGCTCACTTCCGAAAGCTTGTGATGCTGCTGCTGATGAGCATGCGCATGAC 884  
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1905 GTGTTGGTGGCAAGAAATGCGGACGAGGGCGAGTGGCCCTGGAGTGAAGCTTCCAGC 1964  
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RESULT 2  
 US-09-644-600-1  
 ; Sequence 1, Application US/09644600  
 ; Patent No. 6451500  
 ; GENERAL INFORMATION:  
 ; APPLICANT: O'Brien, Timothy J.  
 ; APPLICANT: Tanimoto, Hirotsoshi  
 ; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease  
 ; FILE REFERENCE: D6064CIP/D  
 ; CURRENT APPLICATION NUMBER: US/09/644,600  
 ; PRIOR FILING DATE: 2000-08-23  
 ; PRIOR APPLICATION NUMBER: 09/421,213  
 ; PRIOR FILING DATE: 1999-10-20  
 ; PRIOR APPLICATION NUMBER: 09/027,337  
 ; NUMBER OF SEQ ID NOS: 98  
 ; SEQ ID NO 1  
 ; LENGTH: 3147  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: TADG-15  
 US-09-644-600-1

Query Match 60.6%; Score 1883.2; DB 4; Length 3147;  
 Best Local Similarity 81.2%; Pred. No. 0;  
 Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;  
 QY 45 GATCGACCGCCAAACCATGGTAGCAATCGGGGCGCCAGCGCGAGCTCTGAG 104  
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 QY 105 GACTTCGGCGGGGAGCTGAATGACATCTCCGGCTAGAGAAATGATGCTTTGAGAG 164  
 Db 65 GACTTCGGCGGGGAGCTGAATGACATCTCCGGCTAGAGAAATGATGCTTTGAGAG 124  
 QY 165 GGTGTGAGTCTCTGCTGCGAACAATCCAAAGAAAGTGAAGAGCGAGCGCCAGGCGC 224  
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 QY 225 TGGGTGTGCTGTGGAGAGTGTCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284  
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 Db 2525 AAGCGAGGCGGTGACAAAGGCTCCGTGTGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 2584  
 QY 2625 GTATAGAGCATGAGCAGAGAGCGACCAACCAACCAACAGAGGATGCGCATGTGCA 2684  
 Db 2585 GTATAGAGGCGCGG---GCCACCCAAATGTGTACCTGTGCGGGCGACCCATGTCTCAC 2641

QY 2685 CTGTGATACAGAGAGAACTGACGACATTTATCTGTGGCTTCCCCCCCAACACA 2744  
 Db 2642 CCAGTGTGACAG-CCTGACAGGTGTGAGAGTGGACCGCTGACTGTGACAGCGGCC-CCAGA 2699  
 QY 2745 ACCGAGCTGTGAATCTGATCTTGAAGTCTGAGT 2780  
 Db 2700 ACATACACTGTGAATCTCAATCTCCAGGGCTCCAAAT 2735  
 RESULT 3  
 US-09-644-600-18/c  
 ; Sequence 18, Application US/09644600  
 ; Patent No. 6451500  
 ; GENERAL INFORMATION:  
 ; APPLICANT: O'Brien, Timothy J.  
 ; APPLICANT: Tanimoto, Hirotohi  
 ; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease  
 ; FILE REFERENCE: D6064CIP/D  
 ; CURRENT APPLICATION NUMBER: US/09/644,600  
 ; PRIOR FILING DATE: 1999-10-20  
 ; PRIOR APPLICATION NUMBER: 09/027,337  
 ; PRIOR FILING DATE: 1998-02-20  
 ; NUMBER OF SEQ ID NOS: 98  
 ; SEQ ID NO 18  
 ; LENGTH: 3147  
 ; TYPE: RNA  
 ; ORGANISM: Artificial sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Antisense of TADG-15  
 US-09-644-600-18

Query Match 60.6%; Score 1883.2; DB 4; Length 3147;  
 Best Local Similarity 81.2%; Pred. No. 0;  
 Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;

Db 45 GATGGAGCGCCAAAACCAATGGGTAGCAATCGGGCGCGACAGGCGGAGCTCTAG 104  
 QY 3143 GAGCGGCTCTGGGAGTACATGAGGAGATCGGGCCCGCAAGGCGGAGCGCGAAG 3084  
 Db 105 GACTTGGCGCGGAGCTCAAGTCAACTCCGCTGAGAGCAATGAATGCTTTGAGAG 164  
 QY 3083 GACTTGGCGCGGAGCTCAAGTCAACTCCGCTGAGAGCAATGAATGCTTTGAGAG 3024  
 Db 165 GGTGTGAGTCTCTGCTGCGAGCAATGCCAAGAAAGTGAAGAGCGAGCGCGC 224  
 QY 3023 GGGGTGAGTCTCTGCGAGTCAACAGTCAAGAGTGAAGAGCGAGCGCGC 2964  
 Db 225 TGGGTGTGCTGTGGAGTGTCTTCAAGTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 284  
 QY 2963 TGGGTGTGCTGTGGAGCGCGTGTGATGCGCTCTCTCTCTCTCTCTCTCTCTCTCT 2904  
 Db 285 CTGTGTGAGCACTTCCATTTATCGAATGTGCGGCTTCAAAAAGTCTTCAATGCGCATCTG 344  
 QY 2903 CTGTGTGAGCACTTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG 2844  
 Db 345 AGGATCACAATGAGATCTTTTGTGATGAGTGAAGTCAACCTTCAAGAGTGTATC 404  
 QY 2843 AGGATCACAATGAGATCTTTTGTGATGAGTGAAGTCAACCTTCAAGAGTGTATC 2784  
 Db 405 AGCTGCGCAGCGAGTGAAGAGCGCTGAAGTGTGTGATCAATGAAGTCTGTCTG 464  
 QY 2783 AGCTGCGCAGCGAGTGAAGAGCGCTGAAGTGTGTGATCAATGAAGTCTGTCTG 2724  
 Db 465 GGTCTTACCAAGAGTGTGTGATCTGTCTTCAAGTGAAGGCGAGTGTATGCGCTAC 524  
 QY 2723 GGTCTTACCAAGAGTGTGTGATCTGTCTTCAAGTGAAGGCGAGTGTATGCGCTAC 2664  
 Db 525 TACTGTCAAGTTCAGATTCCTCCCACTGTGACAGAGAGTGTGATGCGGCTGTGCT 584

Db 2663 TACTGCTGTGATTCAGCATCCGACGACCTGTGTGAGGAGGCCGCTCATGACC 2604  
QY 585 GTGAGAGGAGTTTAAACATTGGCAACCCCGACACGGGCACTGAAATCTTTGTGTAAACA 644  
Db 2603 GAGAGAGCGGTAGTCAATGCTGCCCCCGCGCGCTGCTCTGAAATCTTTGTGTACAC 2544  
QY 645 TCTGTGTGCGCTTCCCATTTGACCCGAGAAATGCTGTAGAGAGCTCAGGACCAACAGTGC 704  
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QY 705 AGTTTTCCTGTGATCCGACAGTGTGACAGAGTACACGCTTCACTACCCCTGTGCTTCCC 764  
Db 2483 AGCTTTGGCCTGTGACCCCGCGGTGTGAGCTGATGCGCTTACACAGCCCGCTTCCCT 2424  
QY 765 AACAGTCCCTTACCCCGCGAGTGCCTGCTGACAGTGGTCTCTGTGGGGGAGACGCCGACTCT 824  
Db 2423 GACAGCCCCCTACCCCGCTCATGCTGCTGCAAGTGGGCTCTGTGGGGGAGACGCCGACTCA 2364  
QY 825 GTGCTGAGCCTCACTTCCGAGCTTTGATGTGCTCCCTGTGATGAGCATGGCAGTGC 884  
Db 2363 GTGTGTAGCTTCACTTCCGACGCTTTGACCTTGTGCTCTGTGACAGAGCGCGACAGCAG 2304  
QY 885 CTGTGTACCGGTATGATAGCTGTAGCAGCCCATGAGAACCCACAGCTGTGTGCGCTGTGT 944  
Db 2303 CTGTGTACCGGTATGATAGCTGTAGCAGCCCATGAGAACCCACAGCTGTGTGCGCTGTGT 2244  
QY 945 GGACCTCTTCACTTCCCTTCAACACTGACTTCTCTCTCTCCAGAACGCTTCTCTGTCT 1004  
Db 2243 GGACCTCTTCACTTCCCTTCAACACTGACTTCTCTCTCTCCAGAACGCTTCTCTGTCT 2184  
QY 1005 AGCTGATTAACCAATACTGACCGGAGCATCTGTGCTTTGAGGSCACTTTTCCAGCTG 1064  
Db 2183 ACACGTATACCAACACTGAGCGGCGCATCCCGCTTTGAGGSCACTTTTCCAGCTG 2124  
QY 1065 CCCAAGATGAGAGCTGTGTGCGGCTTTTGTAGTGAACCCAGAGGACATTTAGACGCC 1124  
Db 2123 CCTAGAGTGTAGAGCTGTGTGAGCGCGCTTACGTAAAGCCAGGGGACATTTACAGACGCC 2064  
QY 1125 TACTATCCAGGCACTTACCCGCCAATCAACTGCAATGATATATCAAGGTGCCAAC 1184  
Db 2063 TACTATCCAGGCACTTACCCGCCAATCAACTGCAATGATATATCAAGGTGCCAAC 2004  
QY 1185 AACCGAAGCTGTGAGAGTGTGCTTCAACCTTTCTATCTGTGTGAGACCCCAAGTACAGT 1244  
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QY 1245 GGCTCTGTGACCAAGACTATGTGTGAGATCAACGGGAGAGAGTACTGTGCGTGTGAGAGTCT 1304  
Db 1943 GGCACTGTGCCCCAAGAGTACTAGTGTGAGATCAATGGGGAGAAATCTGTGCGAGAGAGTCT 1884  
QY 1305 CAGTTTGTGTGAGAGAGCAACGACGACAAATTAACGTTCACCTTCCATCTGTATCACTGC 1364  
Db 1883 CAGTTTGTGTGAGAGAGCAACGACGACAAATTAACGTTCACCTTCCATCTGTATCACTGC 1824  
QY 1365 TACACGAGCACCGGCTTCTAGCTGAGTACCTCTCTCAACGACTCAACAGACCCGCTGCCA 1424  
Db 1823 TACACGAGCACCGGCTTCTAGCTGAGTACCTCTCTCAACGACTCAACAGACCCGCTGCCA 1764  
QY 1425 GGGATGTTCAATGTCAAGACTGACGCGTCAATCCGAAAGAACTGTGCGTGTGACGCGCTGC 1484  
Db 1763 GGGATGTTCAATGTCAAGACTGACGCGGCGGTGTATCCGGAAAGAGCTGTGCGTGTGACGCG 1704  
QY 1485 GCGAAGCTGCCCCGATTATAGTGTGAGCGTTACTGCGAGTGCATGCGCACCCACAGTTC 1544  
Db 1703 GCGAAGCTGCCCCGATTATAGTGTGAGCGTTACTGCGAGTGCATGCGCACCCACAGTTC 1644  
QY 1545 ACCTGTCAAAAACAGTCTGTGACAGCCCTCTTCTGTGGTGTGTGACATGTTCACAGACTGT 1604  
Db 1643 ACCTGTCAAAAACAGTCTGTGACAGCCCTCTTCTGTGGTGTGTGACATGTTCACAGACTGT 1584  
QY 1605 GGGAGCGAAGTGTGAGAGAGGCTGTGACGCTGTCTGTCTGTGAGATTCAAGTGTTCACAT 1664  
Db 1583 GAGAGCAACAGCGACGAGAGGGGTGTGAGTGTCTGCGCCACGACCTTCAAGTGTTCACAT 1524

QY 1665 GGGAGTGTCTCCCTCAGAGCCGAGAGTGTAAATGGAGAGACACTGTGAGATGGTCTT 1724  
Db 1523 GGGAGTGTCTCTCCGAAAAGCCAGAGCTGCATATGGAGAGACAGCTGTGGAGCGGCTTC 1464  
QY 1725 GACGAGGCTTCAATGTGACAGCGTGTATGTGTCTCTTGTGACCAAAATATATCTTACCGCTGC 1784  
Db 1463 GACGAGGCTCTCTGCCCCCAAGGTGAAAGTGTATCTGTATCCAAACACACTTACCGCTGC 1404  
QY 1785 CAAAATGCGCTCTGTGTGTGACAAAGGCAACCTGAGTGTGTGAGAGAGAGAGCTGTAGC 1844  
Db 1403 CTCMAATGGGCTCTGTGTGTGACAAAGGCAACCTGAGTGTGTGAGAGAGAGAGAGCTGTAGC 1344  
QY 1845 GATGCTCCGATGAGAAAACCTGTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1904  
Db 1343 GACGCTCATGATGAGAGAGAGCTGTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1284  
QY 1905 GTGTGTGTGTGTGACAAATGCGAGACAGAGGAGTGTGCTGTGACAGGAGCTTCCAGCGCC 1964  
Db 1283 GTTGTGTGTGTGTGACAGATGCGAGATGAGGCGAGTGTGCTGTGACAGGAGCTTCCAGCT 1224  
QY 1965 CTGGGCGAGGCGCACTTGT 2024  
Db 1223 CTGGGCGAGGCGCACTTGT 1164  
QY 2025 GCTCATTTGCTTCAAGATGACAAAATTTCAAGTACTGACACTACAGCATGTGTGACGCGC 2084  
Db 1163 GCACATGCTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1104  
QY 2085 TTCTGTGTGTGTGTGACAG 2144  
Db 1103 TTCTGTGTGTGTGTGACAG 1044  
QY 2145 AAAGTATCATCACCAACCTTCTTCAATGATTTTCACTTGTGACTATGATGATGATGATGATGAT 2204  
Db 1043 AAAGTATCATCACCAACCTTCTTCAATGATTTTCACTTGTGACTATGATGATGATGATGATGAT 984  
QY 2205 CTGAGCTGTGAGAAAGTGTGTGAGATGACAGACCGGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2264  
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QY 2265 GCTTACCAATGTCTTCTCTGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2324  
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QY 2325 GAGGAGGTATCCGAGAGGCTTATCTGTGACAAAGGTGATCTGTGTATCAACAGAGC 2384  
Db 863 TATGAGGCACTGTGAGGCGGTGTATCTGTGACAAAGGTGATCTGTGTATCAACAGAGC 804  
QY 2385 ACTGTGAGGACCTCATGTGCGCAGACAGATCAACCCCAAGAAATGTGTGTGTGTGTGTGTGTGT 2444  
Db 803 ACTGTGAGGACCTCATGTGCGCAGACAGATCAACCCCAAGAAATGTGTGTGTGTGTGTGTGTGT 744  
QY 2445 AGTGGAGGTGTGACTCTGTGTGAGAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2504  
Db 743 AGTGGAGGTGTGACTCTGTGTGAGAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 684  
QY 2505 GATGGGAGAAATTTTCCAGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2564  
Db 683 GATGGGAGAAATTTTCCAGAGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 624  
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QY 2625 GTATAGCAGATGTGACAGAGCGTGTGACCAAAACCCCAAGAGATGCCGACATGTGACCA 2684  
Db 563 GTATAGGAGGCGCGG---GCCACCAATGTGTACACTGTGGGGGCGACCATGTGTCCACC 507  
QY 2685 CTTGATATACAGAGAGAACTGACAGCATTTATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2744  
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QY      2745 ACCGAGCTGTGAATGCAATCTTTAGCACTGAGCT 2780
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RESULT 4
US-09-654-600A-1
; Sequence 1, Application US/09654600A
; Patent No. 6649741
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotsoshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
; TITLE OF INVENTION: Overexpressed in Carcinomas
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09/654,600A
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 09/421,213
; 09/027,337
; PRIOR FILING DATE: 1999-10-20
; 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 1
; LENGTH: 3147
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: TADG-15
US-09-654-600A-1

Query Match      60.6%; Score 1883.2; DB 4; Length 3147;
Best Local Similarity 81.2%; Pred. No. 0;
Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;

QY      45 GATCGAGCCGCCAAACCATGAGTAGCAATCGGGCCGCAAGGCCGAGGGGCTCTCAG 104
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      65 GACTTCGGCCGGGACTCAAGTACATCTCCCGGCAAGAAAGTAAATGGCTTTGAGAGAA 124

QY      165 GGTGTGAGTGTCTGCGCTGGAGCAATGCCAAGAAATGAGAAAGCGAGGCCCGGAGCGC 224
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      125 GGGGTGAGTGTCTGCGCAATGACACAGTCAAGAAAGTGAAGAAAGTGGCCGGGCGC 184

QY      225 TGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 284
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      365 AGCTGTGCGCAAGGTGAGAGAGAGCGGTGAGTGTGTAACATGAAGTCCCTGTCTG 424

QY      465 GGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 524
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      425 GGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 484

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QY      585 GTGAGAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 644
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      725 GACAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 784

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      785 GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 844

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      845 CTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 904

QY      945 GGCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1004
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      905 GGCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 964

QY      1005 AGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1064
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      965 AGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1024

QY      1065 CCCAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1124
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      1085 TACTATCCAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1144

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      1145 AACCGAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1204

QY      1245 GGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1304
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      1205 GGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1264

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      1265 CAGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1324

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      1325 TACACGAGACCGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1384

QY      1425 GGAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1484
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      1385 GGAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1444

QY      1485 GCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1544
      |||
      1445 GCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1504

QY      1545 AGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1604
      |||
      1505 AGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1564

QY      1605 GGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1664
      |||
      1565 GGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1624

QY      1665 GGAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1724
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1725 GACGAGCTTCATGTCACAGCGTGAATGTCCTCTTTCACCAATATACCTACCGCTGC 1784  
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1785 CAAATATGCTCTGCTGTCACCAAGGCGCAACCTGATGATGAGAGAGAGAGAGAGAG 1844  
1745 CTCAATGAGCTCTGCTTGAAGCAAGGCGCAACCTGATGATGAGAGAGAGAGAGAGAG 1804  
1845 GATGAGCTCCGATAG 1904  
1805 GACGAGCTCAATATGAG 1864  
1905 GTGAGTGTGTCACAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1964  
1865 GTTGTGTGAGGAG 1924  
1965 CTGAGGCGAG 2024  
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2025 GCTCATTTGCTTTCAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2084  
1985 GACACTGCTTACATCATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2044  
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2145 AAACGTATCATCAACCACTTCTCTTCAATGATTTTCACTTCACTTCACTTCACTTCA 2204  
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2225 GCT 2284  
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2385 ACCGTGAG 2444  
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2405 AGCGGAG 2464  
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2465 GATGGAG 2524  
2565 AAGCGAG 2624  
2525 AAGCGAG 2584  
2625 GTATAG 2684  
2585 GTATAG 2644  
2685 CTGAG 2744  
2642 CCAATGTGAG 2699  
2745 ACCGAG 2780  
2700 ACATACAG 2735

RESULT 5  
US-09-654-600A-18/c  
; Sequence 18, Application US/09654600A  
; Patent No. 6649741  
; GENERAL INFORMATION:  
; APPLICANT: O'Brien, Timothy J.  
; APPLICANT: Tanimoto, Hirotsoshi  
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease  
; TITLE OF INVENTION: Overexpressed in Carcinomas  
; FILE REFERENCE: D6064CIP/D  
; CURRENT APPLICATION NUMBER: US/09/654,600A  
; PRIORITY FILING DATE: 2000-09-01  
; PRIORITY APPLICATION NUMBER: 09/421,213  
; 09/027,337  
; 1998-02-20  
; NUMBER OF SEQ ID NOS: 98  
; SEQ ID NO 18  
; LENGTH: 3147  
; TYPE: RNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Antisense of TADG-15  
US-09-654-600A-18  
  
Query Match 60.6%; Score 1883.2; DB 4; Length 3147;  
Best Local Similarity 81.2%; Pred. No. 0;  
Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;  
  
45 GATCGAGCCGCAAAACCAATGGGTGATGCAATCGGAGCCGCAAGAGAGAGAGAGAGAG 104  
3143 GAGCGGCTCTGAGGATACATGAGGAGCGATCGGAGCCGCAAGAGAGAGAGAGAGAG 3084  
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3083 GACTTGGGCGGAG 3024  
165 GGTGTGAGATCT 224  
3023 GCGGTGAGATCT 2964  
225 TGGGTGTGAG 284  
2963 TGGGTGTGAG 2904  
285 CTGAGTGGAG 344  
2903 CTGAGTGGAG 2844  
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2843 AGATCACAATGAGATCTTCTGATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2784  
405 AGCTGGCGAG 464  
2783 AGCTGGCGAG 2724  
465 GGTCCCTACCAAG 524  
2723 GGTCCCTACCAAG 2664  
525 TACTGTGAG 584  
2663 TACTGTGAG 2604  
585 GTGAG 644  
2603 GAGGAG 2544  
645 TCTGTGTGAG 704  
2543 TCAGTGTGAG 2484







Db 1841 ACGGCTTCTGAGGCTTGACAGACGAGACGCGA--GGCCCTGGGGTGCAGAGCGC 1898  
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 Db 1899 AGGCTCAAGCGCATCATCTCCACCCCTTCTTCAATGATTTCACTTGATGATGATC 1958  
 QY 2139 GCTTGTCTGAGCTGAGAGAGTCTGAGAGTACAGACCGGTGGGCCCATCTGCGT 2258  
 Db 1959 GGGTGTCTGAGCTGAGAGAGTCTGAGAGTACAGACCGGTGGGCCCATCTGCGT 2018  
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 Db 2019 CCGAGAGCGCTGAGAGTCTTCTTCTGAGAGAGTCTGAGAGTCTGAGAGTCTGAG 2078  
 QY 2319 ACAAAGAGAGAGTACCGAGAGCTGATCTTCAAGAGAGTCTGAGAGTCTGAGAG 2378  
 Db 2079 ACCAGATAGAGAGAGTCTGAGAGCTGATCTTCAAGAGAGTCTGAGAGTCTGAG 2138  
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 Db 2139 CAGACCACTTGTAGAGAGTCTTCAAGAGAGTCTTCAAGAGAGTCTTCAAGAGAG 2198  
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 Db 2199 TTCTCTGAGTGGAGTGTGAGAGTCTTCAAGAGAGTCTTCAAGAGAGTCTTCAAG 2258  
 QY 2499 GAGAAAGATGGAGTGTGAGAGTCTTCAAGAGAGTCTTCAAGAGAGTCTTCAAGAG 2558  
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 Db 2378 ACTGGGGTATAGAGTGTGAGAGTCTTCAAGAGAGTCTTCAAGAGAGTCTTCAAGAG 2434  
 QY 2679 TGACACCTGATAGAGTGTGAGAGTCTTCAAGAGAGTCTTCAAGAGAGTCTTCAAGAG 2738  
 Db 2435 TCACACCTGATAGAGTGTGAGAGTCTTCAAGAGAGTCTTCAAGAGAGTCTTCAAGAG 2494  
 QY 2739 AACCAACCCAGAGTGTGAGAGTCTTCAAGAGAGTCTTCAAGAGAGTCTTCAAGAG 2760  
 Db 2495 CCAAGACATGACTGTGAGAGTCTTCAAGAGAGTCTTCAAGAGAGTCTTCAAGAG 2516

RESULT 7  
 US-09-644-600-9  
 ; Sequence 9, Application US/09644600  
 ; Patent No. 6451500  
 ; GENERAL INFORMATION:  
 ; APPLICANT: O'Brien, Timothy J.  
 ; APPLICANT: Tanimoto, Hirotochi  
 ; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease  
 ; TITLE OF INVENTION: Overexpressed in Carcinomas  
 ; FILE REFERENCE: D6064CIP/D  
 ; CURRENT APPLICATION NUMBER: US/09/644,600  
 ; PRIOR FILING DATE: 2000-08-23  
 ; PRIOR APPLICATION NUMBER: 09/421,213  
 ; PRIOR FILING DATE: 1999-10-20  
 ; PRIOR APPLICATION NUMBER: 09/027,337  
 ; NUMBER OF SEQ ID NOS: 98  
 ; SEQ ID NO 9  
 ; LENGTH: 2900  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: SNC-19; GeneBank Accession No. 6451500 #U02428  
 US-09-644-600-9  
 Query Match 49.3%; Score 1530.8; DB 4; Length 2900;

Best Local Similarity 79.1%; Pred. No. 0;  
 Matches 2011; Conservative 0; Mismatches 502; Indels 29; Gaps 15;  
 QY 222 CGCTGGTGTGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 281  
 Db 1 CGCTGGTGTGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 60  
 QY 282 TTGCTGTGTGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 341  
 Db 61 TTGCTGTGTGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 120  
 QY 342 CTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 401  
 Db 121 ATGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 180  
 QY 402 ATGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 461  
 Db 181 GTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 240  
 QY 462 CTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 521  
 Db 241 CTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 300  
 QY 522 TACTACTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 581  
 Db 301 TACTACTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 360  
 QY 582 GCTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 641  
 Db 361 GC-CAGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 419  
 QY 642 ACATCTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 701  
 Db 420 ACATCTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 479  
 QY 702 TGAAGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 761  
 Db 480 TGAAGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 537  
 QY 762 CCAAGAGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 821  
 Db 538 CCAAGAGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 592  
 QY 822 TGTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 881  
 Db 593 TGTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 652  
 QY 882 GACTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 941  
 Db 653 GACTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 708  
 QY 942 TGTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 999  
 Db 709 TGTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 768  
 QY 1000 TTGTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 1059  
 Db 769 TTGTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 826  
 QY 1060 AGCTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 1119  
 Db 827 AGCTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 886  
 QY 1120 GGGCTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 1179  
 Db 887 GGGCTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 946  
 QY 1180 CCAAGAGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 1239  
 Db 947 CCAAGAGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 1006  
 QY 1240 CAGTGTGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAGAGTGTGAG 1299

Db 1007 CTGCGGGCACTGCCCCAAGGACTACGTGGAGATCAATGGGGGAAATACTGGGAGAGA 1066  
 QY 1300 GGTCCAGATTGTTGGTGGAGCAGCAACAGCAAGATTAACGTCCACTTCCATTGTGATC 1359  
 Db 1067 GGTCCAGATTGTTGGTGGAGCAGCAACAGCAAGATTAACGTCCACTTCCATTGTGATC 1126  
 QY 1360 ACTCGACACGAGCACCAGGTTCTTAGAGTAACTCTTCAAGCTCCAGTCCAGACCCGT 1419  
 Db 1127 AGTCTTACACCGACACCCGCTTTTAGCTGAATACCTCTCTCAAGACTCCAGTACCCAT 1186  
 QY 1420 GCCCAGGAGTGTTCATGTGCAAGACTGACCGGTGATCCGAAAGAACTGCGGTGGAGG 1479  
 Db 1187 GCCCGGAGAGTTACGTGCCCCGAGGCGGTGATCCGGAAGAGCTGCGCTGTGATG 1246  
 QY 1480 GCTGGGACAGCTCCCGGATTAAGTATGAGCGTTACTGCGCATGCAATGCCACCCACC 1539  
 Db 1247 GCTGGAGC-GACTGACCCGACCAAGCGATGAGCTCAACTGCACTTGCGACGCGCGGAC 1305  
 QY 1540 AGTTACGTCGCAAAACCAAGTTCTGCAAGCCCTCTTCTGGGTCTGTGACAGTGTACAG 1599  
 Db 1306 AGTTACGTCGCAAGCAAGTTCTGCAAG--CTCTTCTGGGTCTGCGACAGTGTGAACG 1362  
 QY 1600 ACTGTGGGAGCGGAAGTGAAGAGAGGCGCTGAGCTGTCTG-CTGGGAGTTTCAAGTGT 1658  
 Db 1363 AGTGGGAGCAACAGCGCAGAGGAGGTTGATTTGTCCGACCCACAGCTTTCAGGTGT 1422  
 QY 1659 TCCAAATGGGAAGTGTCTCTCTAGAGCCAGAAAGTAAATGGGAGAGCAACTGTGAGAT 1718  
 Db 1423 TCCAAATGGGAAGTGTCTCTGAAAGCCAGAGTCAATGGGAGAGCAACTGTGAGAGC 1482  
 QY 1719 GGGTCTGACGAGGCTTTCATGTGACAGCGTGAATGTGCTCTTGTGACCAAAATATCTTAC 1778  
 Db 1483 GGGTCTGACGAGGCTTCTGCCCCAAGGTAAGTGTGACTTGTACCAAAACACCTTAC 1542  
 QY 1779 CGCTGCCAAATGCGCTCTGTCTGTGACAAAGGCAACCTGAGTGTGATGGGAAAGCGAG 1838  
 Db 1543 CGCTGCCCAATGAGGCTCTGCTTGTGACAAAGGCAACCTGAGTGTGATGGGAAAGAGAC 1602  
 QY 1839 TGTAGCGATGCTCCGATGAGAAATCTGTGACTGTGAGCTGTGAGTCTTTTACCAACAG 1898  
 Db 1603 TGTAGCGAGGCTCAGATGAGAAAGACTGCACTGTGAGGCTGCGGTCAATTCACAGAGCAG 1662  
 QY 1899 GCTCGCGTGTGTGGGACGAAATGCGAGAGGCGAGTGGCCCTGGCAGGTGAGCTTC 1958  
 Db 1663 GCTCGTGTGTGTGGGACGAGATGCGAGTGGGCGAGTGGCCCTGGCAGGTGAGCTTC 1722  
 QY 1959 CAGGCTGTGGGACGAGGCACTTGTGTGGGCTGCTGATCTCTCTGACCTGGCTGTGTC 2018  
 Db 1723 CATGCTGTGGGACGAGGCACTTGTGTGGGCTTCTCTCATCTCTCCCAACTGGCTGTGTC 1782  
 QY 2019 TCTGACGCTCTTGTCTTCAAGATGACAAATTTCAAGTACTGAGTACAGATGTGG 2078  
 Db 1783 TCTGACGCACTCTCTCATGATGACAGAGATTCAGAGTCTCAGACCCACG--CAGG 1840  
 QY 2079 ACGGCTTCTGTGGGCTGTGAGACGAGCAAGGCGAGTGGCTCTGGGTGTGACAGAGTGG 2138  
 Db 1841 ACGGCTTCTGTGGGCTGTGAGACGAGCAAGGCGAGGCA--GGCCTGTGGGTGACAGAGGCG 1898  
 QY 2139 AAGCTCAACGATTCATCAACCCCTTCTTCAATGATTTCACTTCACTATGACATTC 2198  
 Db 1899 AAGCTCAAGGCTCATCTCCCACTTCTTCAATGATTTCACTTCACTATGACATTC 1958  
 QY 2199 GCCTGTGTGAGGCTGAGAGTGGTGTGAGTACAGACCGTGTGGGCGCCCATGTGCTG 2258  
 Db 1959 GCGGTGTGTGAGGCTGAGAGAACCGGCAAGATGACCTCAATGTGTGGGCGCATGTGCTG 2018  
 QY 2259 CTTGATCTTACCCATGCTTCTCTGTGGCAAGGCGATCTGGGTGACAGAGTGGGCGAC 2318  
 Db 2019 CCGAGCGCTCCCATGCTTCTCTGTGGCAAGGCGATCTGGGTGACAGAGTGGGCGAC 2078  
 QY 2319 ACAAAGAGGAGTACCGAGCGCTGATCTGTGAGAGGAGTGTGATCCGTGTATCAAC 2378  
 Db 2079 ACCAGTATGAGGACATGGGCGCTGATCTGTGAGAGGAGTGTGATCCGTGTATCAAC 2138

QY 2379 CAGACCACCTGTGAGGACCTCATGCGCAGAGATCACCCCAAGAAATGATGTGTGGGT 2438  
 Db 2139 CAGACCACCTGTGAGGAACTCTGCGCAGAGATACCCCGGCAATGATGTGTGGGT 2198  
 QY 2439 TTCTCTAGTGGGAGTGTGACCTTCCAGGAGTGACTGTGTGGCCCTTGTCAAGCGG 2498  
 Db 2199 TTCTCTAGGCGGAGTGTGACCTTCCAGGAGTGAATCCGGGAGAACCTTGTCAAGCG 2258  
 QY 2499 GAGAAAGATGGCGAATGTTCCAGGCTGATGTGTGTGAGTGTGAGGAGTGTGAGG 2558  
 Db 2259 GAGGCGAGTGGCGGATCTTCCAGGCGGATGTGTGAGTGTGAGGAGTGTGAGG 2317  
 QY 2559 AAGAACCAAGCCAGGAGTGTACCAAGGCTCCCTGATGTGGGAGTGTGATCAAGAGGAC 2618  
 Db 2318 AAGAACCAAGCCAGGAGTGTACCAAGGCTCCCTGATGTGGGAGTGTGATCAAGAGGAC 2377  
 QY 2619 ACTGGGATATAGAGCATGAGACAGACCGACCAACCAACCAAGGAGTGTGAGG 2678  
 Db 2378 ACTGGGATATAGGAGCGCGG--GCCACCAATGTGTACCTGTGGGCGCACCCATG 2434  
 QY 2679 TGACACCTGTGATAGAGAGAGAACACTGACGATTTATGTGTGTGCTTCCCCCCT 2738  
 Db 2435 TCCACCCAGTGTGACGCTGTGAGGCTGTGAGACTTGTGAGCCTGTGACAGCGC 2494  
 QY 2739 AACACACCCAGACTGTGACT 2760  
 Db 2495 CCGAGACATACACTGTGAACT 2516

RESULT 8  
 US-09-654-600A-9  
 ; Sequence 9, Application US/09654600A  
 ; Patent No. 6649741  
 ; GENERAL INFORMATION:  
 ; APPLICANT: O'Brien, Timothy J.  
 ; APPLICANT: Tanimoto, Hirotochi  
 ; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease  
 ; FILE REFERENCE: D6064CIP/D  
 ; CURRENT APPLICATION NUMBER: US/09/654,600A  
 ; PRIOR FILING DATE: 2000-09-01  
 ; PRIOR APPLICATION NUMBER: 09/421,213  
 ; 09/027,337  
 ; PRIOR FILING DATE: 1999-10-20  
 ; NUMBER OF SEQ ID NOS: 98  
 ; SEQ ID NO 9  
 ; LENGTH: 2900  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; OTHER INFORMATION: SNC-19; GeneBank Accession No. 6649741 #U20428  
 US-09-654-600A-9

Query Match 49.3%; Score 1530.8; DB 4; Length 2900;  
 Best Local Similarity 79.1%; Pred. No. 0;  
 Matches 2011; Conservative 0; Mismatches 502; Indels 29; Gaps 15;

QY 222 CGCTGGGTGTGCTGTGGGACAGTGTGATGCTTCTTGTGCTTCCCTCATGAGCTGGC 281  
 Db 1 CGCTGGGTGTGCTGTGGGACAGCTGTGATGCGCTCTCTGTGCTTGTGCTGGGATCGGC 60  
 QY 282 TTGCTGTGTGGCACTTCCATTAACGGAATGTGGGGTTCAAAAGCTTCAATGGCCAT 341  
 Db 61 TTCTGTGTGTGGCACTTTCAGTACCGGAGCTGTGTCAAGAAAGCTTCAATGGCTAC 120  
 QY 342 CTGAGATCAAAATGATCTTCTGATGCGTATGAGAACTCCACTCCACAGAGTTT 401  
 Db 121 ATGAGATCAAAATGAGATTTTGTGATGCTTACAGAACTCCACTCACTGAGTTT 180  
 QY 402 ATGAGCTGGCCAGCCAGTGAAGAGAGCGCTGAAGCTGTGTCAATGAAGTCCCTGTG 461

Db 181 GTAACCTTG6CAGCAAGGTGAAGACGGCTGAAGCTGCTGTACAGAGGAGTCCCATTC 240  
QY 462 CTGGATCCCTTACACAAAGAGTGGCTGTAACTGCTTCACTGAGGGAGCTGTATCGCC 521  
Db 241 CTGGGCCCCCTTACCAAGAGAGTGGCTGTGACGGCTTTCAGCAGAGGGAGCCCTCATCGCC 300  
QY 522 TACTACTGTGTAGAGTTCAGATCCCGCCAGACCTGGCAGAAAGAGTTATGCGCGCATG 581  
Db 301 TACTACTGTGTAGAGTTCAGATCCCGCAGACCTGTGTAGAGAGCCGAGCGCTCATG 360  
QY 582 GCTGTGAGACGAGTTGTAACTATTGCCACCCCGAGCAGCGGCACTGAATCTTGTGTCTA 641  
Db 361 GC-CAGGAGCGGCTATCATGCTGCCCCGGGGGGCGCTCCCTGAAGCTCTTGTGTGTC 419  
QY 642 ACATCTGTGTGGCTTCCCCATTGACCCCAAGATGCTGAGAGAGCTAGAGACAAACAG 701  
Db 420 ACCTCAGTGTGGCTTCCCCCAGGACTCCAAAACGTACAGAGGACCCAGAGCAACAGC 479  
QY 702 TGCAGTTTGCCTGTGATGCCATGCTGAGAGAGTGAACAGGCTTCACTACCCCTGCTTC 761  
Db 480 TGTAGCTTTGGCTGTGACG-CGGGCTGTGTAGAGCTATGCGCTTCAACAGCC-GGCTTC 537  
QY 762 CCCAAGATCCCTTACCCGGGCGATGCGCCGCTGCGAGTGGGTCTTCGCGGGGAGCGCCAG 821  
Db 538 CTGACAGCCCTTACCCCGCTCATGCCCCGCTGCCAGTGG-----GCTGGCGGGAGCGCGAC 592  
QY 822 TCTGTGCTAGCTCATCTTCCGAAGCTTGTATGTGCTCCCTGTATGAGCATGTGCAGT 881  
Db 593 GCAGTGTGAGTACTGAGCTGACTCGACGCTTGACTGTGCTGACAGCGCGGAGC 652  
QY 882 GACCTGTGTCACGCTGTATGATAGCTGAGGCCCATGGAACCCACGCTGTGTGCGGCTG 941  
Db 653 GACCTGTGTG-CGTGTACAAACCTGTGAGCCCATGAGGCCACAGC---CTGTGAGTG 708  
QY 942 TGTGGACCTTCTCACCTCTCTCAACCTGTACTTCTCTCC--TCCAGAGCTTCTTC 939  
Db 709 TGTGGACCTTACCTCTCTCTCAACCTGTACTTCTCTCCACCTCCCAAGAGTCTGTC 768  
QY 1000 TTGTACGCTGTATACCAATACTGACCGGCGACATCTGTGCTTTGAGGCCATTTCTTC 1059  
Db 769 TCATCACACTGATTAACCAACACTGAC--GGGGCATCCGGGCTTTGAGGCCACCTTCTTC 826  
QY 1060 AGTGGCCCAAGTGAAGAGCGTGGCGGCTTTTGAATGACACCCCAAGGACATTTTGA 1119  
Db 827 AGCTGCTTGAATGAGAGCTGTGAGGCGGCTTACGTAAAGCCAGGGAGCATTTACA 886  
QY 1120 GCCCTCTACTATCCAGGCCACTACCCGCCCAACATCACTGCAATGTGAATATCAAGTGC 1179  
Db 887 GCCCTCTACTACCGAGGCCACTACCCCAATTTGACTGCAATGTGAATATGAGGTGC 946  
QY 1180 CCAACAAACCGAAGCTGAAGTGGCTTCAAACTCTTCTATCTGTGTGAAGCCCAAGTAC 1239  
Db 947 CCAACAAACCGAAGTGAAGTGGCTTCAAACTCTTCTATCTGTGTGAAGCCCAAGTAC 1006  
QY 1240 CAGTGGGCTCCTGACCAAGGACTATGTGAGATCAACGGGGAGAAAGTACTGCGGTGA 1299  
Db 1007 CTGCGGGCACTGCGCCCAAGACATGCTGTGAGATCAATGGGGAGAAATACTGCGGAGGA 1066  
QY 1300 GGTCCCAATTTGTGTGAGAGCAACAGCAGCAAGATTAAGTCCACTCTTCATTTGTATC 1359  
Db 1067 GGTCCCAATTTGTGTGAGAGCAACAGCAGCAAGATTAAGTCCACTCTTCATGTATC 1126  
QY 1360 ACTGTATACGGGAACCGGGTTCTAGTGTAGTACCTCTCTAGACTCCCAAGACCGGT 1419  
Db 1127 AGTCTTACACGGAACCGGCTTCTTGTAGTATACCTCTCTAGACTCCCAAGACCGGT 1186  
QY 1420 GCCCAGGAGTGTATGTGCAAGACTGGAAGGTGCATCCGAAGAACTGCGCTGCGAG 1479  
Db 1187 GCCCGGGAGATTAAGTGTGCGGACGGGGCGGTGTATCCGGAAGAGTGTGGCTGTATG 1246  
QY 1480 GCTGGGAGACTGCGCGGATTAATGTATGAGCGTTACTGCGATGTCAATCCACCCAGC 1539  
Db 1247 GCTGGGC-GACTGCAACGACCAAGCATGAGCTCACTGCAAGTTGCGAGCCGGCCAGC 1305

QY 1540 AGTTACGTCGAAAAACAGTTCTGCAAGCCCTCTTCTGGGTCTGTGACAGTGTCAACG 1599  
Db 1306 AGTTACGTCGAAAGAGCAAGTTCTGTGAAG---CTTTCTGGGTCTGTGCAAGTGTGAACG 1362  
QY 1600 ACTGTGGGAGCGAAAGTGAAGAGAGGCTGTGAGCTGTCTG-CTGGAGTTTCAAGTCT 1658  
Db 1363 AGTGGGAGACAAACGCGAGCGAGGGTGTGATTTGTCCGAGCCGACCTTCAGGTCT 1422  
QY 1659 TCCATGTGGAATGTCTCCCTCAGAGCCGAAAGTGTATGTGGAAGGACAATGTGAGAT 1718  
Db 1423 TCCAAATGGGAATGTCTCTGAAAAGCCAGCTGTGATGGAGAGACATGTGGGAGC 1482  
QY 1719 GGGTCTGACGAGGCTTCAATGTGACAGCGTGAATGTGTCTTTGACCAATATATCTTAC 1778  
Db 1483 GGGTCGAGAGAGGCTCCGCCCCAAGGTGAAGTGTCACTTGTACCAACACACTAC 1542  
QY 1779 CGCTGCAAAATGTGCTCTGTCTGAGCAAGGCGAACCTTGAGTGTATGGGAGAGCGAG 1838  
Db 1543 CGCTGCTCAATGGGCTCTGTGTGACAAAGGCGAACCTTGAGTGTACGAGGAGAGAGAC 1602  
QY 1839 TGTAGGATGTGCTCCGATGAGAAAACTGTGACTGTGGCTGTGATCTTTTACCAACAG 1898  
Db 1603 TGTAGGAGCGGCTCAGATGAGAAAGACTGTGACTGTGGCTGTGATCTTTACAGAGAC 1662  
QY 1899 GCTCGGTGTGTGTGAGCAAGAAATGCGAGAGGCGAGTGTGCTTGGCAGGTGAGCTTC 1958  
Db 1663 GCTCGTGTGTGTGGGGGAGCAGATGTGAGAGGCGAGTGTGCTTGGCAGGTGAGCTTC 1722  
QY 1959 CAGGCTTGGGCTGAGGCGCACTTGTGTGGGCTCCCTCATCTCTCTGACTGGCTGTGTC 2018  
Db 1723 CATGCTGTGGGCGAGGCGCAATCTGTGGTCTTCTCTCATCTTCTCAACTGTGGCTGTGTC 1782  
QY 2019 TCTGACGCTCATTTGCTTTGAGATGACAAAAATTTCAAGTACTCAGACTACAGATGTGG 2078  
Db 1783 TCTGCGACACTGTCTCATCATGATGACAGAGATTCAGATACAGACCCCAAG---CAGG 1840  
QY 2079 ACCGCTTCTCTGGGCTGTGTGACCAAGAGCAGAGCTCTGTGGGCTGTGAGAGCTG 2138  
Db 1841 ACCGCTTCTCTGGGCTGTGTGACCAAGAGCAGAGCTCTGTGGGCTGTGAGAGCTG 1898  
QY 2139 AAGCTCAACGATTCATCAACCCACCTCTCTTCAATGATTTCAACCTTGCATATGACATC 2198  
Db 1899 AAGCTCAACGATTCATCTCCACCTCTTCAATGATTTCAACCTTGCATATGACATC 1958  
QY 2199 GCGTGTGAGGCTGTGAGAAAGTGTGTGAGTACAGACCGTGTGTGCGCCCATCTGCTG 2258  
Db 2259 CGTGATGCTTACCATGTCTTCTCTGCTGTGCAAGGCGCATCTGGGTCAACAGCTGGGGGAC 2318  
QY 2019 CCGGAGCTGTGACATGCTTCTCCGCGCGGCAAGGCGCATCTGGGTCAAGGGCTGGGAGCAC 2078  
Db 2319 ACAAAGAGGAGGTACCGGAGCGCTGATCTCTGCAAGAGGAGGTGATCCGCTCATCAAC 2378  
QY 2079 ACCCAATATGAGGACTGTGGGCGCTGTATCTGTGAAAAGGTGAGATCCGCTATCAAC 2138  
Db 2379 CAGACCACTGTGAGAGCTCATGCGCAGCAGATCAACCCCAAGATGATGTGTGTG 2438  
QY 2139 CAGACCACTGTGAGAGACTCTGTGCGGAGAGTCAAGCGCGCATGATGTGTGTG 2198  
Db 2439 TTCTCAAGTGGGGTGTGAGACTCTGTGCGAGGGTGAATCTGTGTGAGCTGGGGTGAAGCTGCGCTAG 2558  
QY 2199 TTCTCAAGCGGCGGTGTGAGCTCTGTGCAAGGGTGAATTCGCGGAGACCCCTGTGCAAGCTG 2258  
Db 2499 GAGAAAGATGGGCGAAATGTTTCAAGCTGTGTGTGAGCTGGGGTGAAGCTGCGCTAG 2558  
QY 2259 GAGGCGATGTGGCGGATCTTCAAGCGGTGTGTGTGAGCTGGGAG-ACGCTGCGCTAG 2317  
Db 2559 AGAACAAGCCAGGCGTGTATCAAGAGGCTCCCTGTATGTGGGAGCTGATCAAGAGCAC 2618  
QY 2318 AGAACAAGCCAGGCGTGTATCAAGAGGCTCCCTGTATGTGGGAGTGTATCAAGAGCAC 2377







Db 1496 ACATTATTCTTTTAAAAA 1530

## RESULT 11

US-09-702-705-1480

; Sequence 1480, Application US/09702705

; Patent No. 6504010

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Bangur, Chaltanya S.

; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom

; APPLICANT: Carter, Darrick

; APPLICANT: Retter, Marc

; APPLICANT: Mannion, Jane

; APPLICANT: Fan, Liqun

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.478C14

; CURRENT APPLICATION NUMBER: US/09/702,705

; CURRENT FILING DATE: 2000-10-30

; NUMBER OF SEQ ID NOS: 1833

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1480

; LENGTH: 434

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-702-705-1480

## Query Match

Best Local Similarity 9.9%; Score 306.8; DB 4; Length 434;

Matches 353; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

QY 1083 GCGCGCTTTTGTAGTACACCAAGGACATTAGAGCCCTACTATCCAGCCCTAC 1142  
 Db 1 GGAGCGCGCTTACGTAAAGCCCGGAGCAATTCACAGCCCTACTACCAAGCCACTAC 60  
 QY 1143 CGGCCCAATCATGCAATGCAATGATATCAAGTGGCCCAACCGGAACGTGAAGGTG 1202  
 Db 61 CCACCCAACTGATGCAATGCAATGATGAGTGGCCCAACCGAGATGTGAAGGTG 120  
 QY 1203 CGCTTCAAACTCTTCTATCTGTGTGACCCCAAGTACAGTGGGCTCTGTGACCAAGAC 1262  
 Db 121 CGCTTCAAACTCTTCTATCTGTGTGACCCCGGCGTGGCCGAGCACTGCCCAAGGAC 180  
 QY 1263 TATGTGAGATCAAGGGGAGAGTACTGGGTGAGAGGTCCAGTTTGTGTGAGCAGC 1322  
 Db 181 TACGTGAGATCAAGGGGAGAGTACTGGGTGAGAGGTCCAGTTTGTGTGAGCAGC 240  
 QY 1323 AACAGCAGAGATTAAGTTCATCTGATCTGATCACTCGTACACGACCGGGGTTTC 1382  
 Db 241 AACAGCAGAGATTAAGTTCATCTGATCTGATCACTCGTACACGACCGGGGTTTC 300  
 QY 1383 CTAGCTGATGATCTCTCTTCAAGCTTCAAGCAGCCCGTGGCCGAGATTTCAATGTGCAAG 1442  
 Db 301 TTAGCTGATGATCTCTCTTCAAGCTTCAAGCAGCCCGTGGCCGAGATTTCAATGTGCAAG 360  
 QY 1443 ACTGACGCTGATCCGAAAGAACTGGGCTGCGAGCGGTGGGAGACTGCCCGGATTAAT 1502  
 Db 361 ACGGGCGGTGATCCGAAAGAACTGGGCTGCGAGCGGTGGGAGACTGCCCGGATTAAT 420  
 QY 1503 AGTGATGAGC 1512  
 Db 421 AGCGATGAGC 430

## RESULT 12

US-09-736-457-1480

; Sequence 1480, Application US/09736457

; Patent No. 6509448

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong  
 ; APPLICANT: Bangur, Chaltanya S.  
 ; APPLICANT: Lodes, Michael A.  
 ; APPLICANT: Fanger, Gary  
 ; APPLICANT: Vedvick, Tom  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Retter, Marc  
 ; APPLICANT: Mannion, Jane  
 ; APPLICANT: Fan, Liqun  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; FILE REFERENCE: 210121.478C15  
 ; CURRENT APPLICATION NUMBER: US/09/736,457  
 ; CURRENT FILING DATE: 2000-12-13  
 ; NUMBER OF SEQ ID NOS: 1864  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 1480  
 ; LENGTH: 434  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 US-09-736-457-1480

Query Match  
 Best Local Similarity 9.9%; Score 306.8; DB 4; Length 434;  
 Matches 353; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

QY 1083 GCGCGCTTTTGTAGTACACCAAGGACATTAGAGCCCTACTATCCAGCCCTAC 1142  
 Db 1 GGAGCGCGCTTACGTAAAGCCCGGAGCAATTCACAGCCCTACTACCAAGCCACTAC 60  
 QY 1143 CGGCCCAATCATGCAATGCAATGATATCAAGTGGCCCAACCGGAACGTGAAGGTG 1202  
 Db 61 CCACCCAACTGATGCAATGCAATGATGAGTGGCCCAACCGAGATGTGAAGGTG 120  
 QY 1203 CGCTTCAAACTCTTCTATCTGTGTGACCCCAAGTACAGTGGGCTCTGTGACCAAGAC 1262  
 Db 121 CGCTTCAAACTCTTCTATCTGTGTGACCCCGGCGTGGCCGAGCACTGCCCAAGGAC 180  
 QY 1263 TATGTGAGATCAAGGGGAGAGTACTGGGTGAGAGGTCCAGTTTGTGTGAGCAGC 1322  
 Db 181 TACGTGAGATCAAGGGGAGAGTACTGGGTGAGAGGTCCAGTTTGTGTGAGCAGC 240  
 QY 1323 AACAGCAGAGATTAAGTTCATCTGATCTGATCACTCGTACACGACCGGGGTTTC 1382  
 Db 241 AACAGCAGAGATTAAGTTCATCTGATCTGATCACTCGTACACGACCGGGGTTTC 300  
 QY 1383 CTAGCTGATGATCTCTCTTCAAGCTTCAAGCAGCCCGTGGCCGAGATTTCAATGTGCAAG 1442  
 Db 301 TTAGCTGATGATCTCTCTTCAAGCTTCAAGCAGCCCGTGGCCGAGATTTCAATGTGCAAG 360  
 QY 1443 ACTGACGCTGATCCGAAAGAACTGGGCTGCGAGCGGTGGGAGACTGCCCGGATTAAT 1502  
 Db 361 ACGGGCGGTGATCCGAAAGAACTGGGCTGCGAGCGGTGGGAGACTGCCCGGATTAAT 420  
 QY 1503 AGTGATGAGC 1512  
 Db 421 AGCGATGAGC 430

## RESULT 13

US-09-614-124B-1480

; Sequence 1480, Application US/09614124B

; Patent No. 6630574

; GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong

; APPLICANT: Bangur, Chaltanya S.

; APPLICANT: Lodes, Michael A.

; APPLICANT: Fanger, Gary

; APPLICANT: Vedvick, Tom

; APPLICANT: Carter, Darrick

; APPLICANT: Retter, Marc

; APPLICANT: Mannion, Jane

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/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
/ FILE REFERENCE: 210121.478C9
/ CURRENT APPLICATION NUMBER: US/09/614,124B
/ CURRENT FILING DATE: 2001-07-11
/ NUMBER OF SEQ ID NOS: 1668
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1480
/ LENGTH: 434
/ TYPE: DNA
/ ORGANISM: Homo sapien
US-09-614-124B-1480

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Matches 353; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

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1 GAGAGCCGCTTAGTAAAGCCAGGGGACATTCACAGGCCCTACTACCCAGGCCACTAC 60
1143 CCGCCCAACATCACTGCAATGGAATATCAAGGTGCCCAACACCGGAACGTGAAGTG 1202
61 CCACCCAACTTGAATGACATGCAATGGAATATCAAGGTGCCCAACACCGGAATGGAAGTG 120
1203 CGCTTCAAACTCTTCTATCTGTTGAGACCCCAAGTACCAATGAGGCTCTGCAACCAAGAC 1262
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1323 AACAGCAAGATTAATGATTCATCTTCACTTCTATCACTGTCACAGGACCGGCTTC 1382
241 AACAGCAAGATTAATGATTCATCTTCACTTCTATCACTGTCACAGGACCGGCTTC 300
1383 CTAGCTGAGTACCTCTCTCACTGACCTCCAGACGACCCGTCGCGAGGATGTTCAATGCAAG 1442
301 TTAGCTGAATACCTCTCTCACTGACCTCCAGACGACCCGTCGCGAGGATGTTCAATGCAAG 360
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1443 ACTGACGAGTGCATCCGAAAGAACTGCGTGCACGCGGTGAGGACGCTGCCGGAATTAT 1502
361 ACGGGGCGGTGATCCGGAAGAGACTGCGTGTATGATGCTGGCCGACTGACCGAACAC 420
QY 1503 AGTGATGAGC 1512
Db 421 AGCGATGAGC 430

RESULT 14
US-09-671-325-1480
/ Sequence 1480, Application US/09671325
/ Patent No. 6667154
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Tonglong
/ APPLICANT: Bangur, Chaitanya S.
/ APPLICANT: Lodes, Michael A.
/ APPLICANT: Fanger, Gary
/ APPLICANT: Vedvick, Tom
/ APPLICANT: Carter, Darriok
/ APPLICANT: Retter, Marc
/ APPLICANT: Mannion, Jane
/ APPLICANT: Pan, Liqun
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
/ FILE REFERENCE: 210121.478C12
/ CURRENT APPLICATION NUMBER: US/09/671,325
/ CURRENT FILING DATE: 2000-09-26
/ NUMBER OF SEQ ID NOS: 1825
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 1480
/ LENGTH: 434
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/ TYPE: DNA
/ ORGANISM: Homo sapien
US-09-671-325-1480

Query Match
Best Local Similarity 9.9%; Score 306.8; DB 4; Length 434;
Matches 353; Conservative 0; Mismatches 77; Indels 0; Gaps 0;

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361 ACGGGGCGGTGATCCGGAAGAGACTGCGTGTATGATGCTGGCCGACTGACCGAACAC 420
QY 1503 AGTGATGAGC 1512
Db 421 AGCGATGAGC 430

RESULT 15
US-09-280-116-107
/ Sequence 107, Application US/09280116A
/ Patent No. 6331427
/ GENERAL INFORMATION:
/ APPLICANT: Robison, Keith E.
/ TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
/ FILE REFERENCE: 5800-24, 035800/176965
/ CURRENT APPLICATION NUMBER: US/09/280,116A
/ CURRENT FILING DATE: 1999-03-26
/ NUMBER OF SEQ ID NOS: 268
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 107
/ LENGTH: 796
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: trypsin-like serine proteases
/ NAME/KEY: misc_feature
/ LOCATION: (1)..(796)
/ OTHER INFORMATION: n = a, t, c o r g
US-09-280-116-107

Query Match
Best Local Similarity 5.6%; Score 173.2; DB 4; Length 796;
Matches 395; Conservative 0; Mismatches 269; Indels 21; Gaps 4;

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106 GCGAGGAAGGGGTGCAATGGGACATTCACCTTCCAGTGTAGAGACCGAGCTGCTGA 165
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 QY 1864 ACTGTGACTGTGGGCTTCGATCCCTTTACCAAGAGGCTCGGCTGTGTGTGACGCAATG 1923  
 Db 226 ACTGTGACTGTGGCTTCGAGGGCCCTCCA-----GCCGATTTGTTGGAGCTGTGT 279  
 QY 1924 CGAGCAGAGGGCCGAGTGGCCCTGGCAGGTGAGCTTCACGSCCTTGGGCCAGGGCCACTTGT 1983  
 Db 280 CTTCCAGAGGGTGTGAGTGGCCATGACAGGCCAGCTCCAGGTTCCGGGGTC---GACACATCT 336  
 QY 1984 GTGGGGCTGTGCTCATCTCTCCGATGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGT 2043  
 Db 337 GTGGGGGGGGCCCTCATCTGCTGACCGCTGGGTGATTAACAGCTGCCACTGTCTTCAGAGAG 396  
 QY 2044 ACAAATAATTCAAGTACTAGACTAGACGATGTGACGAGGCTTCTGGGGCTGTGAGAC 2103  
 Db 397 ACAGCA-----TGGCCTCCAGGTTGTGTGACCGGTCTTCTGGGCAAGGTGTGGC 447  
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 Db 448 AGAAGCTGGGCTG---GCCGTGAGAGGTGTCTTCAAGGTGAGCGCGCTGTCTCTGAC 504  
 QY 2164 CTTCTTCAATGATTTCACTTCACTATGACATGSCCTTGTGAGCTGTGAGAACTCGG 2223  
 Db 505 CGTACCAACGAAGAGACAGCCATGACTAGACGAGTGGCGCTGTGAGCTGACGACCAACCCG 564  
 QY 2224 TGGAGTACAGCAACGCTGTGCGGCCCATCTGCTGCTGATGCTACCAATGCTTCCCTG 2283  
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 Db 625 CCGGCTGTGACTGTGATTTACGAGGCTGGGGCGCTTGGCGAGGGCGGCCCATGAGCA 684  
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 QY 2404 CGCAGCAGATCAACCCACGATGAT 2428  
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 Job time : 211 secs

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